

TODOROV, Todor Ts.; SENDOV, St. Khr.

Graphoanalytic method of determining entropy changes in case  
of the parabolic dependence of specific heat on temperature.  
Godishnik mash elekt 10 no.3:227-238 '61 (publ.'62).

SENDOVA, Kh.K.

Effect of organomineral nitrogen fertilizers obtained from acid petroleum asphalt on oat yields under experimental conditions. [in Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR, no. 5:91-100 My '57. (MLRA 10:8)

(Azerbaijan--Petroleum industry--By-products) (Fertilizers and manures) (Nitrogen)

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CIA-RDP86-00513R001547920017-5

SENDOVA, N. A.

КАТАЛИТИЧЕСКИЕ ПРЕВРАЩЕНИЯ  
ЦИДОЗАМЕНЕНИИХ УГЛЕВОДОРОДОВ  
ЦИКЛОПЕКСАНОВОГО РЯДА

С. Н. Хрипко, Е. Г. Баранова, Н. А. Сендова,  
К. А. Калугинов

VIII Mendeleev Congress for General and Applied Chemistry in  
Section of Chemistry and Chemical Technology of Fuels,  
publ. by Acad. Sci. USSR, Moscow 1959

abstracts of reports scheduled to be presented at above mentioned congress,  
Moscow, 15 March 1959.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547920017-5"

84829

Coprecipitation of Germanium Microquantities  
With Iron HydroxideS/020/60/134/005/016/023  
B016/B054

the hydroxide of trivalent iron in the solution as germanic acid, as anion  $HGeO_3^{2-}$  and, possibly, as  $Ge_5O_{11}^{2-}$ . The precipitation was studied as dependent on temperature, time, time of contact between precipitate and solution, the quantity of hydroxide used, and the pH-value of the solution. Tables 1 and 2 give data of the influence of temperature and contact time, showing that the completeness of germanium coprecipitation is equivalent in the temperature range between 20 and 80°C, and is already attained after 2 minutes of contact between solution and precipitate. Ge is not dissolved again, even after a long contact between solution and precipitate. Fig. 2 shows that a complete coprecipitation of germanium together with the hydroxide is already attained at  $Ge : Fe = 1 : 20$  (Ge concentration  $1 \mu\text{g}/\text{ml}$ ). A reduction of this ratio does not lead to the dissolution of Ge. An addition of ammonium sulfate on the one hand does not reduce the degree of Ge precipitation at a low Ge : Fe ratio, but on the other hand increases the degree of precipitation at higher Ge : Fe ratios. This is probably due to improved coagulation. The authors conclude from Fig. 2 that a practically complete coprecipitation of Ge together with the hydroxide can be attained at a Ge concentration of  $0.01 \mu\text{g}/\text{ml}$  and a ratio  $\checkmark$

Card 2/3

55310 1273, 1281, 1296

85231  
S/032/60/026/008/029/046/XX  
B020/B052

AUTHORS: Bronshteyn, A. N., Sendul'skaya, T. I., and Shpirt, M. Ya.

TITLE: Determination of Germanium and Gallium in Coals by the Spectroscopic Methods

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 8, pp. 973-974

TEXT: The method developed by the authors differs from that described by M. A. Notkina and A. K. Rusanov (Ref. 1) by the possibility of determining Ge and Ga with a content of 0.001 to 1% in coal ashes from one weighed portion. A buffer mixture of coal dust and NaCl (1:1) was used for the stabilization of the conditions during the vaporization of the sample, and the excitation of the spectrum. 0.1% of  $\text{SnO}_2$  is added to this mixture as internal standard. The accuracy of analysis is 10-12%. The analysis of 20 samples stretched over 2.5 to 3.0 working days. The door of the muffle furnace was left half open to prevent the formation of easily volatile  $\text{GeS}$ ,  $\text{GeO}$ , and  $\text{Ga}_2\text{O}$ . Spectrographs of type ИСП-22 (ISP-22) or ИСП-28 (ISP-28) are used. The light source was an a.c. electric

Card 1/2

86231

Determination of Germanium and Gallium in  
Coals by the Spectroscopic Methods

S/032/60/026/008/029/046/XX  
B020/B052

arc (generator ПС-39 (PS-39) or ДГ-1 (DG-1) with a current of 8 a. The time of exposure was 60 seconds. Bands used for the analysis: Ge 2651.18 and Ga 2943.64 Å, reference bands: Sn 3034.12 and 2839.99 Å. With a germanium concentration of up to 0.003%, the error is 10-12%, with an equal gallium concentration it is 7.5 - 10%. Errors may be due also to the different macrostructure of standards and samples. The data of the table characterize the analogy of the results of analysis for coals of different types. From a comparison of the results obtained by analyzing initial raw materials, their products, and chemical and spectroscopic determinations it may be concluded that the error never exceeds 10%. The chemical determination of germanium was carried out by a method described by V. A. Nazarenko (Ref. 3), that of gallium by a method described by V. S. Saltykova and Ye. A. Fabrikova (Ref. 4). There are 1 table and 4 Soviet references.

ASSOCIATION: Institut goryuchikh iskopayemykh Akademii nauk SSSR  
(Institute of Combustible Minerals of the Academy of Sciences  
USSR)

Card 2/2

SENDUL'SKAYA, T.I.; SHPIRT, M.Ya.

Coprecipitation of microgram quantities of germanium with ferric hydroxide. Dokl. AN SSSR 134 no.5:1108-1110 O '60. (MIRA 13:10)

1. Institut goryuchikh iskopayemykh Akademii nauk SSSR. Predstavлено  
академиком S.I.Vol'fkovichem.  
(Germanium) (Iron hydroxide)

25861  
S/020/61/139/004/021/025  
B'03/B220

5.2200

AUTHORS: Tananayev, I. V. Academician, Shpirt, M. Ya., and  
Sendul'skaya, T. I.

TITLE: Sorption of germanium on aluminum hydroxide

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 139, no. 4, 1961, 907-909

TEXT: The paper deals with test results on sorption of germanium on aluminum hydroxide. Ge was contained in the solution as germanic acid and as  $HGeO_3$  anion. The effect of the following factors was studied: (1) Time of contact between precipitate and solution; (2) temperature; (3) pH of the suspension; and (4) concentration of Ge. The aqueous solutions were prepared with  $GeO_2$  and chemically pure aluminum sulfate. A new gravimetric method for determining semi-microquantities of Ge ( $\geq 100\text{mg/l}$ ) in the solution is suggested based on precipitation of a known quantity of aluminum with ammonia (pH 7 - 8); (a) from a pure solution, and (b) from a solution containing Ge. In both cases, the precipitate is filtered, washed, annealed, and weighed. The increase in weight in case

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25861  
S/020/61/39/004/021/025  
B'03/B220

Sorption of germanium on aluminum ...

(b) corresponds to the Ge content in the solution sample tested. Tests were made as follows:  $\text{NH}_3$  or alkali were added dropwise to the mixture of Ge and Al solutions. The resulting precipitate of aluminum hydroxide sorbed the Ge from the solution. The quantity of coprecipitated Ge was also calculated from the content in the residual solution. The solution as well as the hydroxide after dissolution in 4 N HCl were analyzed according to V. A. Nazarenko & al. (Zav. lab., No. 1, 9 (1958)). The pH was measured by means of an JIII-5 (LP-5) potentiometer. Ad (1) and (2): It was stated that Ge sorption was 99% of the initial amount at a contact time between 5 min and 48 hr, and a temperature between 20 and  $80^{\circ}\text{C}$  (contact time 5 min). All further tests were made at room temperature and a contact time of 24 hr. Ad (3): Maximum sorption occurred with a pH between 6 and 9.6 (precipitation with  $\text{NH}_3$ ). Complete precipitation of aluminum hydroxide was obtained at lower pH values than in case of Ge. First of all,  $\text{Al}(\text{OH})_3$  begins to dissolve with increasing alkalinity. At pH=9.6, about 20% of Al was dissolved, whereas Ge was practically not dissolved. Ad (4): At pH=11 (dissolution with NaOH), 70% Al and only

Card 2/5

25861  
S/020/61/35/004/021/025  
B103/B220

Sorption of germanium on aluminum ...

about 20% Ge were dissolved. Sorption is considered to be a chemical sorption, since the sorption curve deviates from the straight line and shows sharp breaks, and since sorption attains high values (2.67 g Ge per g Al). It is due to the formation of unsoluble aluminum germanates. A uniform rise of the curve up to its first break, and the increase of the equilibrium concentration of Ge together with the reduction of the  $\text{Al}_2\text{O}_3:\text{GeO}_2$  ratio, are explained by the probable formation of solid solutions of germanates with  $\text{Al}(\text{OH})_3$ . Therefore, the equilibrium concentration of Ge in the solution depends on the quantity of Ge sorbed on  $\text{Al}(\text{OH})_3$ , i. e., on the concentration of the germanate in  $\text{Al}(\text{OH})_3$ . A saturated solid solution is formed in case of a molar ratio  $\text{Al}_2\text{O}_3:\text{GeO}_2 \approx 40$  (or 1 g Ge per 30 g Al). A reduction of the above-mentioned ratio results in the solid phase of aluminum germanate. Henceforth, the equilibrium concentration of Ge is not dependent on the ratio mentioned, i. e., on the amount of Ge precipitated. It is determined exclusively by the solubility of the germanate, which amounts to ~0.32 mg/l  $\text{GeO}_2$ .

Card 3/5

25861

5/020/61/139/004/021/025

B1C3/B220

Sorption of germanium on aluminum ...

This continues as long as the existing Al is sufficient to form the scarcely soluble germanate. A second break in the curve indicates a deficiency of Al in relation to its quantity contained in the germanate. Consequently, the quantity of Ge in the solution begins to increase rapidly in dependence on the decrease of  $\text{Al}_2\text{O}_3:\text{GeO}_2$ . Thus, this ratio

at the break corresponds to the ratio of the two components in the germanate, which is formed most likely, i. e., 1.5. It is supposed that the further sorption of Ge at a ratio < 1.5 may be explained by formation of a better soluble germanate of higher Ge content. The following reaction scheme is suggested:  $1.5 \text{Al}_2\text{O}_3 \cdot \text{GeO}_2 \cdot n\text{H}_2\text{O} + 2\text{H}_2\text{GeO}_3 \longrightarrow$   
 $\longrightarrow 1.5 \text{Al}_2\text{O}_3 \cdot 3\text{GeO}_2 \cdot m\text{H}_2\text{O} + q \text{H}_2\text{O}$ . This reaction is said to be complete merely with a high excess of  $\text{GeO}_2(\text{GeO}_2 : \text{Al}_2\text{O}_3 > 3)$  in the solution. If Ge is available in concentrations below 0.3 mg/l, high  $\text{Al}_2\text{O}_3 : \text{GeO}_2$  ratios resulting in the formation of solid solutions with low concentration of germanate in  $\text{Al}(\text{OH})_3$  have to be used for the sorption of Ge from the solution.

Card 4/5

SHPIRT, M.Ya.; SENDUL'SKAYA, T.I.; TANANAYEV, I.V.

Coprecipitation of germanium with silicic acid. Zhur. neorg.  
khim. 8 no.11:2611-2613 N '63. (MIRA 17:1)

1. Institut goryuchikh iskopayemykh.

SENDRYAKOV, I. F.

"Basic Improvement of Podzolic-Peat Soils." Cand Agr Sci, All-Union  
Sci=Res Inst of Fertilizers, Agricultural Engineering, and Soil Science,  
23 Dec 54. (VM, 14 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

F.  
SENDRYAKOV, I.; IVANOV, N.

Machines for fertilizers. Tekh.mol.22 no.2:32-33 F '54.  
(MLRA 7:2)

1. Nauchnye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo  
instituta udobreniy agrotehniki i agropochvovedeniya.  
(Fertilizer spreaders)

SENDUL'SKIY, I. [Ya.]

"Review of Professor D. I. Zimont's Book 'Malignant Growths of the Nasal Cavity, the Air-Sinuses of the Nose, and the Throat'", Vest. Oto-rino-laringol. No. 3, 1949. Prof.

SENDUL'SKIY, I.Ya. (Moskva)

Remote results of the treatment of cancer of the larynx disseminated into other organs; data from the otorhinolaryngological department of the P.P.Gertsen State Oncological Institute, 1944-49. Vest.oto-rin. 16 no.2: Mr-Ap '54.

(MLRA 7:6)

(LARYNX, neoplasms,

\*ther., hosp. statist. analysis of results of various method of ther. of cancer disseminated to other organs)

VOYACHEK, V.I., prof.; KOLOMIYCHENKO, A.I., prof.; SENDUL'SKIY, I.Ya., prof.;  
BARADULINA, M.G., starskiy nauchnyy sotrudnik.

All-Czechoslovak Congress of Otorhinolaryngologists. *Vest.oto-rin.*  
20 no.1:120-124 Ja-F '58. (MIRA 11:3)

1. Deystvitel'nyy chlen AMN SSSR (for Voyachek).  
(CZECHOSLOVAKIA--RESPIRATORY ORGANS--CANCER)

SEN'DUL'SKIJ. I. Ya.

Glomus tumor of the internal jugular vein and of the middle ear. Cesk.  
otolar 8 no.2:65-68 Apr 59.  
(GLOMANGIOMA, case reports,  
middle ear & jugular vein (Cz))  
(EAR, MIDDLE, neoplasms  
glomangioma of middle ear & internal jugular vein (Cz))  
(VEINS, JUGULAR, neoplasms,  
same)

LOPOTKO, I.A.; UNDRITS, V.F.; PREOBRAZHENSKIY, B.S.; KHILOV, K.L.; LIKHACHEV,  
A.G.; SENDUL'SKIY, I.Ya.; MIL'SHTEYN, T.N.; GRINBERG, G.I.; ROMM, S.Z.

Basic problems in Soviet otorhinolaryngology; on the 1960 working  
plan for research in the Academy of Medical Sciences of the U.S.S.R.  
Vest.otorin. 21 no.5:3-14 S-0 '59. (MIRA 13:1)  
(OTORHINOLARYNGOLOGY)

LOPOTKO, I.A.; UNDRITS, V.F.; PREOBRAZHENSKIY, B.S.; KHILOV, K.L.;  
SENDUL'SKIY, I.Ya.; LIKHACHEV, A.G.; MIL'SHTEYN, T.N.;  
GRINBERG, G.I.; ROMM, S.Z. (Leningrad - Moskva)

Most important problems in Soviet otorhinolaryngology; on the  
research plan for the field of otorhinolaryngology during 1961-  
1962, according to the Academy of Medical Sciences of the U.S.S.R.  
Vest.otorin. 22 no.5:3-24 S-0 '60. (MIRA 13:11)  
(OTOLARYNGOLOGY)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; BONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTEYN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med.nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBIL'EVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; KHOLDIN, Semen Abramovich, prof.; CHEKHKARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMYAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAKOV, L.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Malignant tumors]Zlokachestvennye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

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Clinical significance of urorosein test. Polski tygod.lek. 5 no.  
39-40:1400-1402 2 Oct 50. (CLML 20:5)

1. Of the Third Department (Head--Jan Trzebinski, M.D.) of Wolski  
Hospital, Warsaw-Wola.

SENDYS, N.

"Powrot do Zdrowia po Uszkodzeniu Popromiennym," by D.W.H. Barnes, J. F. Loutit;  
translated from English to Polish by N. Sendys. Nukleonika, Vol. I, No. 1, Warsaw, Poland,  
June 1956.

SENDYS, Natalia; CZERSKI, Przemyslaw

Case of megaloblastic anemia in an adolescent. Polski  
tygod. lek. 11 no.22:986-989 28 May 56.

1. Z Oddzialu Chorob Wewn. kier. doc. dr. med. Edward Kowalski  
i z pracowni hematologicznej Instytutu Hematologii; kier. prof.  
dr. med. Wl. Lawkowicz, Warszawa, Chocimska 5, Instytut Hematologii.  
(ANEMIA, HYPERCHROMIC, case report,  
in adolescent (Pol))

KOWALSKI, E.; KOPEC, M.; LATALIO, Z.; ROSZKOWSKI, S.; SENDYS, N.

Plasminogen-like bodies in human blood vessels. Polski tygod. lek.  
11 no.35:1536 27 Aug 56.

1. (Z pracowni Biochemii Klinicznej Instytutu Hematologii;  
kierownik: doc. dr. med. E. Kowalski) Warszawa ul. Chocimska  
5, Institut Hematologii.

(FIBRINOLYSIN,  
profibrinolysin-like bodies in blood vessels (Pol))  
(BLOOD VESSELS, physiology,  
profibrinolysin-like bodies in vasc. walls (Pol))

SENDYS, NATHALIE

KUCHARSKA, Maria.; SENDYS, Natalia.

Sodium thiosulfate in kidney function tests. Polski tygod. lek.  
12 no.28:1061-1065 8 July 57.

l. Z Kliniki Wewnętrznej Instytutu Hematologii; kierownik; doc.  
dr med Edward Kowalski. Adres: Warszawa, ul Chocimskiego 5 Klin.  
Wewn. Inst. Hematol.

(KIDNEY FUNCTION TESTS,  
sodium thiosulfate tests (Pol))

(THIOSULFATES,  
sodium, kidney funct. tests (Pol))

SENDYS, Natalia

A case of Rendu-Osler disease with pulmonary arteriovenous fistula.  
Polski tygod. lek. 14 no.33:1537-1540 17 Aug 59.

1. (Z Oddzialu Chorob Wewnetrznych Instytutu Hematologii w Warszawie;  
kierownik: doc. dr med. Edward Kowalski.  
(ANGIOMATOSIS, compl.) (FISTULA ARTERIOVENOUS, compl.)  
(PULMONARY ARTERY, dis.) (PULMONARY VEINS, dis.)

KOWALSKI, Edward; KOPEC, Maria; LATALLO, Zbigniew; ROSZKOWSKI, Stanislaw;  
SENDYS, Natalia

Tissue fibrinolysis. Polskie arch. med. wewn. 29 no.4:451-458  
1959.

1. Z Pracowni Biochemii Klinicznej i Oddzialu Wewnetrznego Kierownik:  
doc. E. Kowalski Instytutu Hematologii Dyrektor: doc. dr med. A.  
Trojanowski.  
(FIBRINOLYSIS)

WALEWSKA, Irena; GULMANTOWICZ, Anna; KACPERSKA, Elzbieta; FRANKOWSKA, Krystyna;  
CHOJNACKA, Irmina; KALINSKA, Jadwiga; SENDYS, Natalia

Appearance of iso-antibodies against the blood platelets, leukocytes  
and erythrocytes after blood transfusion. Polski tygod. lek. 16 no.33:  
1262-1267 14 Ag '61.

1. Z Zakladu Serologii; kierownik: dr med. S. Dubiski, z Oddzialu  
Hematologicznego; kierownik: dr med. S. Pawelski i z Oddzialu Chorob  
Wewnetrznych Instytutu Hematologii; dyrektor: doc. dr med. A. Trojanowski.

(ANTIBODIES) (BLOOD TRANSFUSION) (BLOOD PLATELETS)  
(LEUKOCYTES) (ERYTHROCYTES)

NORNEVSKIY, B.I., prof.; MIKHAYLOV, A.V., kand.tekhn.nauk; SENDYUREV,  
V.M., inzh.

Investigating the parallel operation of marine synchronous generators by mathematical modeling. Sudostroenie 29 no.9:28-31 S '63.  
(MIRA 16:11)

SENDYUROV, V.M., inzh. (Leningrad)

Expression of the power factor of a synchronous machine in the d,q, 0  
axis system. Elektrichesvo no. 7:54-55 Jl '64. (MIRA 17:11)

SENDZYUK, F.; SICHEVSKIY, I., red.; BURKATOVSKAYA, TS. [Burkatovs'ka, TS.],  
tekhred.

[New achievements of petroleum refiners] Naftopererobnyky berut'  
novi vysoty. L'viv, Knyzhkoho-zhurnal'ne vyd-vo, 1959. 7 p.  
(MIRA 14:1)

(Petroleum--Refining)

SENDZYUK, F.L.  
KOSHARNYY, I.Ya. [Kosharnyi, I.IA.]; PIDPRIGORSHKHUK, M.V.; GAPSHENKO, I.I.;  
SKRIPNIK, K.I.; KASHCHEYEV, I.A., red.; KUTSENKO, V.P., red.;  
NIKOLAYENKO, V.S., red.; POTAYCHUK, I.M. [Potaichuk, I.M.], vidp.  
red.; SENDZYUK, F.L., red.; FOGL, V.Ya., tekhn. red.

[Soviet Drogobych Province] Radians'ka Drohobychchyna. Drohobych,  
Drohobyt's'ke obl. vyd-vo, 1957. 199 p. (MIREA 11:8)  
(Drogobych Province)

GNIDETS, I.R. [Hnidets', I.R.]; VOROBIEVA, L.P. [Vorobiova, L.P.];  
SENDZYUK, L.A. [Sendziuk, L.A.]

Production and analysis of a sterile solution of butadione.  
Farmatsev. zhur. 16 no.3:35-39 '61. (MIRA 14:6)

1. Kafedra tekhnologii lekarstv L'vovskogo meditsinskogo instituta,  
zaveduyushchiy kafedroy dotsent Yu.O.Karpenko.  
(PYRAZOLIDINEDIONE)

S/196/62/000/013/017/018  
E194/E155

AUTHOR: Senecký, Ladislav  
TITLE: A device for automatically stopping a copying machine  
after termination of the operation  
PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,  
no.13, 1962, 9, abstract 13 K 42 P. (Czechoslovak  
Patent class 21 h, 30/02, no.98583, 15.2.1961)  
TEXT: The patent covers the circuit of an automatic circuit-breaker for a copying machine. The main part of the circuit is a time relay with gas discharge lamp which is connected at the instant when the contacts close in the copying device. If the contacts of this device close for a short time the time relay does not operate and after the contacts are opened the capacitance again charges. As termination of the operation is approached the duration of contact closing in the copying device increases and finally they are practically always closed. The time relay operates and, through intermediate relays, opens the machine tool contactor. [Abstractor's note: Complete translation.]  
Card 1/1

S/276/63/000/002/008/052  
A052/A126

AUTHOR: Senecky, Ladislav

TITLE: Automatic spark gap regulator

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no.2,  
1963, 51, abstract 2B199 P. (Czech. pat., cl. 21h, 30/02,  
no. 98583, February 15, 1961)

TEXT: A regulator is patented the executing element of which is a two-phase asynchronous motor. The voltage on one of the phases of the motor is controlled by two magnetic amplifiers connected as a differential circuit. To the input of one of the amplifiers a signal proportional to the current is supplied; to the input of the second amplifier a signal proportional to the voltage in the spark gap is supplied. The voltage on the second phase of the motor has a constant component as a result of which, when the armature of the electric motor is rotating, a braking moment is produced which reduces oscillations of the control system. The basic circuit of the regulator is given. There is 1 figure.

V. Royter

(Abstracter's note: Complete translation.)

Card 1/1

SENECKY, Ladislav, inz.; ZUBAK, Jan, inz.

Chemical and electrochemical shaping in mechanical engineering.  
Tech praca 15 no.8:572-576 Ag '63.

1. Vyvojovy ustav pre mechanizaci a automatizaci, Nove Mesto  
nad Vahom.

SENEGACNIK, J.  
Surname (in caps); Given Name(s)

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Veterinary Center (Veterinarski zavod) Ljubljana

Source: Belgrade, Veterinarski glasnik, No 4, 1961, pp 289-293.

Data: "Fifteen Months Work with New Bovine Semen Solvent Containing  
Ascorbic Acid."

327

SENEGACNIK, M.

Determination of germanium in low concentrations. M. 04  
Senegacnik, L., Kralj, and B. Krasovec (Inst. "J. Stefan", Ljubljana, Yugoslavia). Vjesnica Slovenskog Akademika, 8-15 (1986). See C.A. 80, 31483. N. Pivacic

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SENEGACNIK, M.; PALJK, S.; STULAR, V.; SPAN, M.

Ion exchange separations of radio-cerium, radio-caesium, radio-strontium, radio-barium and radium in fall-out analysis of waters. Croat chem acta 35 no.4:A22-A23 '63.

1. Institut "Jozef Stefan", Ljubljana, Yugoslavia.

SENEKERIMYAN, Ya.A.

Biology of the causative agents of pear and apple scab in Kirovakan District. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 4. no.8:779-785 '51.  
(MLRA 9:8)

1. Institut plodovodstva Akademii nauk Armyanskoy SSR.  
(Kirovakan District--Fruit--Diseases and pests)

SENEKERIMYAN, Ya.A.

Susceptibility of apples and pears to scab in the Armenian S.S.R.  
Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 5 no.3:69-78 '52. (MLRA 9:8)

1. Institut plodovodstva Akademii nauk Armyanskoy SSR.  
(ARMENIA--FRUIT--DISEASES AND PESTS)

SENEKL, Miroslav, MUDr (Brno, Stalingradske namesti)

Treatment of premature discharge of amniotic fluid. Lek. listy,  
Brno 9 no.23:544-548 1 Dec 54.

1. Z I. Porodnicke a gynekologicke kliniky M.U. v Brne. Prednosta  
prof. MUDr.

(AMNIOTIC FLUID,  
premature discharge, ther.)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547920017-5

AMERICAN NATIONAL BANK.

Washington, D.C. [SAC, FBI, DC] no. 5:46-369 June 57.

J. C. [SAC, FBI, DC] M. H. [SAC, FBI, DC] president pres. NUDr. I.  
[redacted]

(FBI, WASH. D.C.)

(FBI, WASH. D.C.)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547920017-5"

SENEKL, Miroslav; AVRATOVA-MAKESOVA, L.

Prevention of hemorrhage in 3d & 4th stages of labor with oxytocin.  
Cesk. gyn. 23[37] no.6:452-455 Aug 58.

l. I. por. gyn. klinika MU v Brne, prednosta prof. Dr. L. Havlasek.  
M. S., I. por. gyn. kl. MU, Brno.

(LABOR, hemorrh.

in 3d & 4th stages, prev., oxytocin (Cz))

(OXYTOCIN, ther. use

hemorrh., prev. in 3d & 4th stages of labor (Cz))

SENEKL, Miroslav; KONECNY, Milan

Clinical manifestations & morphology of placenta increta totalis.  
Cesk. gyn. 23[37] no.6:491-494 Aug 58.

I. I. nor. gyn. klinika MU v Brne, vednosta prof. dr. L. Havlasek  
a hist.-embryol. ustanow MU v Brne, vednosta doc. dr. K. Mazanec.  
M. S. Krenova 42, Brno.

(PLACENTA

increta totalis, clin. manifest. & morphol. (Cz))

EXCERPTA MEDICA Sec 10 Vol 13/4 Obstetrics Apr '60

656. TOXOPLASMOSIS IN GYNAECOLOGY - Naše zkušenosti s toxoplasmózou v gynékologii - Šenekl M. and Avrátová - Mačková L. I. Por.-Gyn. Klin. Lék. Fak. MU, Brno - ČSL. CYNEK. 1959, 24-38/4 (248-252) Tables 2 Women with habitual abortion or who had given birth to a dead child were submitted to Frenkem's intracutaneous toxoplasmin test. Out of 18 positive reactors, 16 were delivered of a healthy child in the next pregnancy, following pyrimethamine ('daramprim') therapy.

SENEKL, M.; AVRATOVA-MAKESOVA, L.

Role of the immunobiological factor in sterility. Cesk.gyn.25  
[39] no.3:230-231 1960.

1. I. gyn.por.klin. University v Brne, prednosta prof.dr. L. Havlasek.  
(STERILITY FEMALE etiol.)  
(BLOOD GROUPS)

SENEKL, Miroslav, AVRATOVA, Libuse

Experience with a consultation center for sterile women. Cesk.gyn.  
25[39] no.3:235-237 1960.

1, I, gyn,por,klin, University v Brne, predn.prof. MUDr. L.Havlasek.  
(STERILITY FEMALE hosp.& clin.)

GOGIN, Ye.Ye.; MAKSIMOV, V.A.; SEMENKO, A.N. (Leningrad)

Diagnosis of pheochromocytoma. Klin.med. 34 no.10:67-79 O '56.  
(MLRA 10:1)

1. Iz kafedry Fakul'tetskoy terapii (nach. - prof. A.A.Nechayev)  
Voyenno-morskoy meditsinskoy akademii i klinicheskoy bol'niцы  
imeni Chudnovskogo (glavnnyy vrach A.N.Shakunov)  
(PHEOCHROMOCYTOMA, diag. )

SELENKO, A.N. (Leningrad)

Splenectomy in the treatment of liver cirrhosis [with summary in English]. Klin.med. 37 no.2:64-66 F '59. (MIRA 12:3)

1. Iz kafedry fakul'tetskoy terapii No.2 (nach. - prof. A.A. Nechayev) Vojenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova i klinicheskoy bol'nitsy imeni Chudnovskogo (glavnnyy vrach A.N. Shukunov).

(LIVER CIRRHOSIS, compl.  
splenomegaly, splenectomy (Rus))  
(SPLENOMEGLY, compl.  
liver cirrhosis, splenectomy (Rus))

SENENKO, A.N.

Thrombosis of the pulmonary artery. Vrach. delo no. 1:122-123 '61.  
(MIRA 14:4)

l, Kafedra fakul'tetskoy terapii No 2 (nachal'nik - prof. I.T.  
Teplov) Voyenno-mèditsinskoy ordena Lenina akademii imeni S.M.  
Kirova i bol'nitsa vodnikov imeni Chudnovskogo.  
(PULMONARY ARTERY—DISEASES) (THROMBOSIS)

SELENKO, A.N.

Myocardial lesions in paratyphoid. Klin.med. 39 no.3:134-137  
Mr '61. (MIRA 14:3)

1. Iz kafedry fakul'tetskoy terapii No.2 (nach. - prof. A.L.  
Landa) Vojenno-meditsinskoy ordena Lenina akademii imeni S.M.  
Kirova i Klinicheskoy bol'nitsy vodnikov imeni Chudnovskogo  
(glavnnyy vrach A.N. Shakunov).  
(PARATYPHOID FEVER) (ELECTROENCEPHALOGRAPHY)

SELENKO, A.N., dotsent (Leningrad)

Association of malignant tumors with leukemia. Klin.med. 39  
no.4:104-108 '61. (MIRA 14:4)  
(LEUKEMIA) (STOMACH—CANCER) (PANCREAS—CANCER)

1. SENKOV, N.P.
2. USSR (60)
4. Geology, Structural
7. Problems of metamorphism, Izv.AN Akad.Ser.geol. no. 1, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SENENOV, N. G.

"Investigation in the Group of Vitamin K: I. Synthesis of Potassium 2-Methyl-1,4-Naphthoquinone-3-Sulfonate," Zhur. Obshch. Khim., 13, Nos. 4-5, 1943. Nbr., Moscow Textile Inst. -1942-. Nbr., All-Union Inst. Expt. Med., -1942-.

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Effect of viscosity reducers on the mechanostructural properties  
of clay muds. Sbor. nauch.-tekhn. inform. Azerb. inst. nauch.-  
tekhn. inform. Ser. Neft. prom. no.6:79-86 '63. (MIRA 18:9)

SIMOV, A. A. (ed.).

"The Physiological Doctrine of I. P. Pavlov and its Significance in the Development of Venereology."

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),  
No 1, January-February 1958 (Biisper), Moscow.

SENES, E.

"Reducing Losses of Electricity in Distribution by Compensation"; remarks on  
F. Kucera's article. p.414

ENERGETIKA. (Ministerstvo energetiky a Ceskoslovenske vedecka technicka spolecnost  
pro energetiku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia  
Vol.5, no.4, Apr. 1955

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Senes, E.

Economical equipment for transformer station. p. 214. ENERGETIKA.  
(Ministerstvo paliv a energetiky. Hlavni sprava elektraren) Praha.  
Vol. 6, no. 5, May 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

SENEK, E.

Heating economically with natural gas in the Praga boilers. p. 433

TECHNICKA PRACE (Slovenske nakladatelstvo technickej literatury)  
Vol. 2, No. 10, Oct. 1956

Bratislava, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

SENES, E.

Economy in the consumption of electricity in electric arc welding; a discussion. p. 60.  
ELEKTROTECHNIK Vol 11, no. 2, Feb. 1956  
Czechoslovakia

SOURCE: EEAL Vol. 5, no. 7, July 1956

SIRKES, J.

"Results of geologic research in the area between Kokosovce and Rankovce  
in the western foothills of the Tokaj-Presov Mountains."

SMOLOVICHI PIASEK; ZPRAVY, Bratislava, Czechoslovakia, No. 4, 1955.

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Vol. 2, No. 8, August, 1959.

Unclassified.

SIMES, J.

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eastern Slovakia. p. 352

Vol. 5, no. 3/4 1996  
SOCIETY FOR  
Bratislava, Czechoslovakia

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SENES, J.

Stratigraphic and biofacial research of certain Neocene sediments in eastern Slovakia based on study of the macrofauna. p. 3.  
GEOLOGICKE PRACE, Bratislava, No. 40, 1955.

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Uncl.

SENES, J.

New estimates of the age and evolution of the Vihorlat coal basin.

p. 47 (GEOLOGICKE PRACE; ZPRAVY) No. 6, 1956,  
Bratislava, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

*Schenk Jan*

CZECHOSLOVAKIA/Cosmochemistry - Geochemistry. Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30417

Author : Senes Jan

Inst :

Title : Concerning the Formation of Pelosideritic Coal Strata  
of the Podvihorlatske Coal Feilds.

Orig Pub : Geol. sbor. SAV, 1956, 7, No 3-4, 222-226

Abst : No abstract.

Card 1/1

SENES, J.

Results of speleological research in the Drienovce (Somody) Cave in the Slovak Karst. p. 16. GEGRAFICKY CASOPIS. Bratislava. Vol. 8, no. 1, 1956.

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No. 8, August 1956.

SENES J.

"Potential occurrence of coal mines in the Tertiary of Eastern Slovakia."

p. 66 (Casopia Pro Mineralogii A Geologh, Vol. 2, no. 3, 1957, Czcholovakia)

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February 1958

SENECS, J.

Evidence of the existence of brackish Upper Sarmatian (Bessarabian stratum)  
in the lignite basin under the Vihorlat Mountains. p. 96.  
(Geologicky Sbornik, Vol. 8, no. 1, 1957. Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

SEKES, J.

Relation of the volcanism of the Neocene period to the tectonic structure of  
eastern Slovakia. p. 109.  
(Geologicky Sbornik, Vol. 8, no. 1, 1957. Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EPAL) IC, Vol. 6, no. 10, October 1957. Uncl.

SIMONE, J.

Possible occurrence of Tertiary coal deposits in the vicinity of Sturevo. p.125.  
(PRAGUE, Vol. 32, no. 3, 1957, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (EEAI) LC, Vol. 6, no. 12, December 1957. Incl.

SENES, J.

"Results of the speleological research in the Drienovec Cave of the South Slovak Karst.

p. 138 (Krasy Slovenska, Vol. 34, No. 4, Apr. 1957, Bratislava, Czechoslovakia.)

GEOGRAPHY & GEOLOGY Periodicals

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

SENES, J.

"Critical notes on the stratotypes of the Oligocene and Miocene and on the problem of neostratotypes."

p. 3 (Geologicky Sbornik, Vol. 9, no. 1, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

SENES, J.

"The Neocene of Eastern Slovakia."

p. 217. (Chesky Lid., Vol 10, No. 3, 1958, Prague, Czechoslovakia)

GEOGRAPHY & GEOLOGY

Monthly Index of East European Accessions (EEAI) LC, Vol 7, No. 12, Dec 58

SENEČ, J., and others.

"A guide to localities."

p. 383. (Chesky Lid., Vol 10, No. 3, 1958, Prague, Czechoslovakia)

GEOGRAPHY & GEOLOGY

Monthly Index of East European Accessions (EEAI) LC, Vol 7, No 12, Dec 58

SENES, J.

GEOGRAPHY & GEOLOGY

Periodicals: GEOLOGICKE PRACE No. 12, 1958

SENES, J. Pholadomysa Andrusovi nov. sp. from the Lower Miocene in  
Southern Slovakia. p.3.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,  
May 1959, Unclass.

SENES, J.; CICHA, I.; BUDAY, T.

Relation between the Lower Miocene of the Austrian and Bavarian Molasse, southeastern Moravia, and the internal beds of the Carpathians. p. 419

Prague. Ustredni ustav geologicky. VESTNIK. Praha, Czechoslovakia, Vol. 33, no. 6,  
1958

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Uncl.

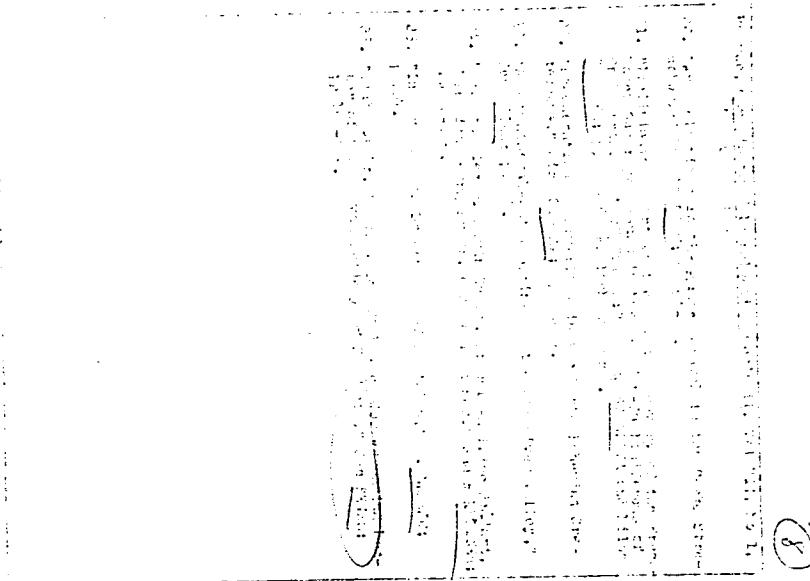
SINCE,

5(0) **AUTHOR:** Babitske, A. Ts., Candidate of Geological-Mineralogical Sciences  
**TITLE:** Congress of Geologists of the Carpathians and Balkans (Second Geology Congress) Balkan 1 Balkanskikh stran  
**PERIODICAL:** Vestnik Akademii nauk SSSR, 1959, Nr. 1, pp 85 - 89 (USSR)

**ABSTRACT:** The 4th Congress of the Carpathian-Balkan Association took place in Kiev and Lvov on September 16-29, 1958, 250 delegates taking part. Members of the Association are Bulgaria, Hungary, Poland, Romania, the USSR, Czechoslovakia and Yugoslavia. The reports discussed tectonics of the Carpathians and their mutual relationship with the Balkanides, the stratigraphy and paleogeography of the Carpathians, mineralogy in the Carpathians, and the formation of different mineral resources in them. G. B. Vyalov on behalf of the organizing committee of the Soviet Congress, reported on questions of tectonics of the Soviet West Carpathians. M. Regel reported on tectonic investigations in the Central West Carpathians by Czochralski, Golodets, The Hungarian and Romanian investigators Z. Janich, H. Bliznyuk, I. Dusirekly, J. Boty Zahl, D. Patrile, reported on the structure of the South Carpathians. The Bulgarian scientist Tsv. Bozhkov outlined the mutual relationship between Carpathians and Balkanides. The Polish researcher O. Szwedek supported the hypothesis on the deposit structure of the West Carpathians. L. V. Slavina, M. Filipescu (Romania), M. Kaczkowski (Poland) and the Czechoslovak researcher A. Dlouhy, J. Geras, report on questions of stratigraphy and paleogeography. The report on questions of (M. B. Vasenovych, O. S. Tyalon) assume that the formation of clivous deposits in the Carpathians is associated with the most mobile zones of the earth's crust. J. N. Katsenelenbaum proved in the district of Shary Subor the impossibility of a formation of clivous layers in the Soviet West Carpathians. Report by F. Karlosh-Sadetsky (Hungary), D. Dubashko (Romania) and the Soviet investigators Ye. E. Lazarenko discussed problems and conditions of formation of ore deposits. The Congress emphasized the necessity of carrying on common investigations in different branches of geology. For a coordination of these investigations permanent commissions were constituted for tectonics, stratigraphy, paleogeography and paleontology; magnetism and petrology, geochemistry and mineralogy, hydrogeology and for tectonic maps. The 5th Congress of the Association is anticipated for 1961 in Munich.

Card 1/3 Card 2/3

SENES, J.



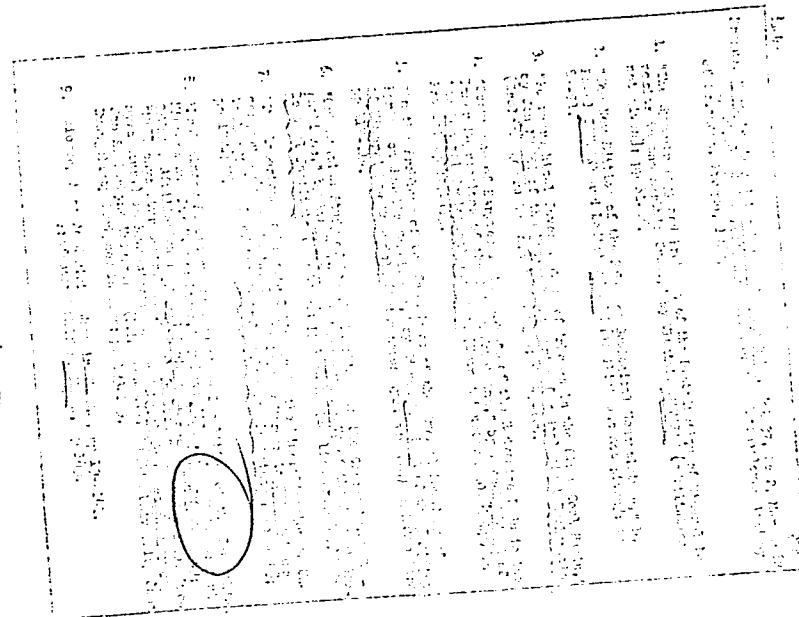
SENE, J.

1. Name:	John Sene
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3. Phone Number:	(555) 123-4567
4. Social Security Number:	123-45-6789
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8. Hair Color:	Black
9. Eye Color:	Blue
10. Marital Status:	Married
11. Children:	None
12. Education:	High School Graduate
13. Employment:	Software Engineer at Acme Corp.
14. Political Affiliation:	Independent
15. Religious Preference:	None
16. Nationality:	American
17. Citizenship:	United States
18. Social Security Card Number:	123-45-6789
19. Driver's License Number:	1234567890
20. Passport Number:	1234567890
21. Alien Registration Number:	1234567890
22. Military Record:	None
23. Criminal Record:	None
24. Drug Use:	None
25. Alcohol Use:	Occasional
26. Tobacco Use:	Non-smoker
27. Other:	None

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SENEs, J.



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547920017-5"

SENES, Jan

The 12th Congress of the Czechoslovak Society for Mineralogy and  
Geology. *Vestnik CSAV* 71 no.1:75-78 '62.

SENES, Jan

Role of paleontology in the Western Carpathians. Geol prace  
63:121-124 '62.

Paleogeography of the Western Carpathians in relation to the  
other Paratethys in the Miocene. 169-172

l. Geologicky ustav D.Stura, Bratislava.

SENES, Jan

Criteria for correlation and paleogeography of the Miocene on the  
basis of mollusc fauna in the Central Paratethys. Geol prace 63:  
125-128 '62.

CICHA, Ivan; SENES, Jan

Conference on problems of the Mediteranean Paleocene in  
Bordeaux. Vest Ust geol 39 no. 1: 71-75 '64.

SEMESH, M.; NADABAN, P.

Testing a wetted-wall evaporator under operational plant conditions. Kons.i ov.prom. 15 no.1:37-41 Ja '60.  
(MIRA 13:5)

1. Budapeshtskiy konservnyy zavod,  
(Budapest---Fruit juices)

SENEH, M.; NADABAN, P.

Some aspects of the concentration of fruit juices. Kons.i ov.prom.  
15 no.10:30-33 0 '60. (MIRA 13:10)

1. Budapeshtskiy konservnyy zavod.  
(Fruit juices)

SENETRA, S.: MALYSA, H: MOLL, F.

An analysis of the effectiveness of the increased production of finished metal products in the years 1961-1965. p. 213

PROBLEMY PROJEKTOWE HUTNICTWA. (Biuro Projektow Przemyslu Hutniczego, Biuro Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu Metalowego), Gliwice, Poland.

Vol. 7, No. 7, July 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11, November 1959  
Uncl.

SENETSKAYA L. P.

SENETSKAYA L. P. - "The use of organic substances in the analysis of certain  
inorganic compounds". Moscow, 1955. Min Higher Education USSR. Moscow  
Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleev,  
(Dissertation for the Degree of Candidate of Chemical Sciences.)

SO: Knizhnaya Letopis' №. 46, 12 November 1955. Moscow

AUTHORS:

Kreshkov, A. P., Senetskaya, L. P.

SOV 136-58-1-17/46

TITLE:

The Determination of Jointly Present Sulfides, Sulfites, and Thiosulfates (Opredeleniye sul'fidov, sul'fitov i tiosul'fatov pri ikh sovmestnom prisutstvii)

PERIODICAL:

Nauchnyye doklady vysshyey shkoly, Khimiya i khimicheskaya tekhnologiya, 1958, Nr 1, pp. 68 - 72 (USSR)

ABSTRACT:

The analysis of mixtures of the salts mentioned in the title is of great practical importance. It is, however, rather difficult. The authors describe a new photometric method of determining sulfides, where their separation from sulfites and thiosulfates is not necessary. The method is based upon the occurrence of a red color which is produced in an interaction of the sulfides with the mercury-diphenyl-carbazone-complex (Ref 6). Probably a triple complex is formed in this connection. It is known (Refs 7,8) that from the measurement of the optical density of the solution in various sections of the spectrum conclusions may be drawn concerning the reaction mechanism. If a triple complex is formed, this is shown by the characteristic properties of the absorption spectrum. The authors plotted absorption curves of equimolar solutions of

Card 1/3

The Determination of Jointly Present Sulfides,  
Sulfites, and Thiosulfates

SOV/156 58-1-17/46

a)mercury-diphenyl-carbazone- and b)mercury-sulfide complexes  
of the formed red compound as well as of an alkaline diphenyl-  
carbazone solution (Fig 1). According to the peculiarity of  
the curve a formation of a triple complex of sulfides and the  
mercury-diphenyl carbazole may be assumed. A calibration  
curve (Fig 4) was plotted for the quantitative determination  
of sulfides. The method of the determination of sulfides  
worked out by the authors is described. According to this  
method a series of sulfide determinations were carried out  
in the presence of thiosulfates and sulfites. Table 1 shows  
that the thiosulfate does not disturb the sulfide determination  
according to the suggested method. Table 2 gives average  
values of 3 parallel sulfide determinations in the presence  
of sulfites. Table 3 gives the results of sulfide determinations  
in the presence of a thiosulfate-sulfite mixture. Thus the  
suggested method of determination of sulfide in the presence  
of thiosulfates and sulfites is sufficiently accurate, not  
complicated, and may be used as high-speed method for the  
determination of soluble sulfides, of the sulfide sulfur

Card 2/3

The Determination of Jointly Present Sulfides,  
Sulfites, and Thiosulfates

SCV 156-58-1-17/46

in minerals, ores, metals, and their alloys, in sulfur  
compounds of non-metal elements etc. There are 4 figures,  
5 tables, and 8 references, 6 of which are Soviet.

ASSOCIATION: Kafedra analiticheskoy khimii Moskovskogo khimiko-tehnologiches-  
kogo instituta im. D.I.Mendeleyeva (Chair of Analytical Chemistry  
of the Moscow Institute of Chemical Technology imeni D.I.  
Mendeleyeva)

SUBMITTED: September 17, 1957

Card 3/3

SENETSKAYA, L.P.; TEPLYAKOV, M.M.

New photocolorimetric method for the determination of  
vanadates. Zhur.anal.khim. 16 no.6:731-732 N-D '61.  
(MIRA 14:12)  
1. D.I. Mendeleev Moscow Chemico-Technological Institute.  
(Vanadium--Analysis)

VIL'BERG, S.S. [deceased]; DROZDOV, V.A.; KARATEYEV, D.A. [deceased];  
MYSHLYAYEVA, L.V., dots.; SAYUSHKINA, Ye.N.; SENETSKAYA,  
L.P.; CHIVIKOVA, A.N.; DRAKIN, S.I., dots., retsenzenter

[Methodological textbook for independent student work in a  
course of analytical chemistry] Uchebno-metodicheskoe po-  
sobie dlia samostoiatel'noi raboty studentov nad kursom  
analiticheskoi khimii. Moskva, Mosk. khimiko-tehnolog.  
in-t, 1964. 150 p. (MIRA 18:12)

L 12976-63

ACCESSION NR: AT3002349

EXP(j)/EPF(c)/EWT(m)/BDS

ASD

Pc-4/Pr-4

RM/WW

S/2513/63/013/000/0383/0388 60

65

AUTHOR: Mikhaylenko, Yu. Ya.; Senetskaya, L. P.; Kutyrina, Ye. G.

TITLE: Quantitative determination of double bonds in unsaturated organosilica compounds by infrared spectral absorption

SOURCE: AN SSSR. Komissiya po analiticheskoy khimii. Trudy\*, v. 13, 1963.  
Organicheskiy analiz, 383-388

TOPIC TAGS: double bond, unsaturated hydrocarbon, organosilica compound, IR spectra, vinyltriethoxysilane, divinyltetraethoxydisiloxane

ABSTRACT: An attempt is made to develop a direct and quick method for the determination of double bonds in unsaturated organosilica compounds which would give reliable results. A quantitative method has been proposed for the above determination by employing the infrared absorption spectra. It was found that the band 940-960 cm<sup>-1</sup> can be used in the determination of double bonds in organosilica compounds the same way as the determination of double bonds in other hydrocarbons. Vinyltriethoxysilane and divinyltetraethoxydisiloxane were synthesized and used as standards. The infrared analysis agree well with chemical analysis. The relative error by infrared analysis is plus or minus 0.7%. Orig. art. has: 3  
Association: Moscow Inst. of Chemical Technology. Department of Analytical Chemistry  
Card 1/2

BOGDANOV, G.B. [Bohdanov, H.B.] (Kiев); SENETSKIY, S.A. [Senets'kyi,  
S.O.] (Kiев)

Gas discharge counter in an impulse magnetron. Avtomatyka 8  
no.6:78-80 '63. (MIRA 17:8)

SHISHONOK, Nikolay Andreyevich; REFKIN, Vasiliy Fedorovich;  
BARVINSKIY, Leonid Lvovich; Prinimali uchastiye  
LERMER, V.Yu.; LASTOVCHENKO, M.M.; KREDEWISER, B.P.;  
USHAKOV, I.A.; BARZILOVICH, Ye.Yu.; SENETSKIY, S.A.;  
ALEKSANDROVA, A.A., red.; GUTCHINA, N.Ya., red.;  
LYUBIMOVA, T.M., red.

[Principles of the theory of the reliability and opera-  
tion of radioelectronic apparatus] Osnovy teorii nadezh-  
nosti i ekspluatatsii radioelektronnoi tekhniki. Moskva,  
Sovetskoe radio, 1964. 550 p.  
(MIRA 18:2)

10308  
S/194/62/000/006/053/232  
D295/D308

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AUTHORS:

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TITLE:

Methods of determining the transfer functions of linear systems on the basis of measured values of the amplitude-phase frequency characteristic

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-2-121 ch (Z. Messen, Steuern, Regeln, v. 4, no. 10, 1961, 411-420)

TEXT: Various methods are considered for determining the transfer functions of linear systems on the basis of measured points of their amplitude-phase frequency characteristic. T. Szweda's interpolation method (see RZhE. no. 13, 1959, 27304) assumes a knowledge of the structure of the transfer function which must have the form:  
$$W(p) = b_0 p^{-k} / (1 + a_1 p + a_2 p^2 + \dots + a_n p^n)$$
. In order to determine the coefficients  $a_1, a_2, \dots, a_n$ , the frequencies are found at which the characteristic intersects the real and imaginary coordinate axes.

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te axes, as well as the frequency at which the phase shift is equal to  $45^\circ$ . The derivation is given of a system of equations for evaluating these coefficients from the values found for the above frequencies. The coefficient  $b_0$  is determined by passing to the limit for  $\omega \rightarrow 0$  if  $k = 0$ , or by measuring the modulus of the characteristic at an arbitrary frequency  $\omega_1$  if  $K \leq 0$ . For  $n = 1$  the parameters of the transfer function of systems with delay can be determined. T. Szweda has also suggested a special measuring equipment for determining the frequencies at which the characteristic assumes an assigned phase shift. The method due to A.A. Kardashev and L.V. Karnyushin (Avtomatika i telemekhanika, v. 19, no. 4, 1958, 334-345) is a generalization of the interpolation method for the case when the transfer function has the form

$w(p) = \sum_{i=1}^m b_i p^i / p^k (1 + \sum_{i=1}^n a_i p^i)$ . The calculation consists of two stages. At first the coefficients  $a_i$ ,  $b_i$  are found, for which mea-

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